

Title (en)

Flexible magnetic core, antenna with flexible magnetic core and method for producing a flexible magnetic core

Title (de)

Flexibler Magnetkern, Antenne mit flexiblem Magnetkern und Verfahren zur Herstellung eines flexiblen Magnetkerns

Title (fr)

Noyau magnétique souple, antenne dotée d'un tel noyau et procédé de production de ce dernier

Publication

EP 2996119 A1 20160316 (EN)

Application

EP 14003109 A 20140909

Priority

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Abstract (en)

The flexible magnetic core (1) comprises parallel continuous ferromagnetic wires (4) embedded in a core body (2) made of the polymeric medium (3). The continuous ferromagnetic wires (4) extend from one end to another end of said core body (2), are spaced apart from each other and are electrically isolated from each other by the polymeric medium (3). The method for producing the flexible magnetic core (1) comprises embedding continuous ferromagnetic wires (4) into an uncured polymeric medium (3) by means of a continuous extrusion process, curing the polymeric medium (3) with the continuous ferromagnetic wires (4) embedded therein to form a continuous core precursor (10), and cutting said continuous core precursor (10) into discrete magnetic cores (1).

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (applicant)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 14003109 A 20140909; CA 2959279 A 20150724; CN 201580048558 A 20150724; EP 15757324 A 20150724; ES 15757324 T 20150724; IB 2015001238 W 20150724; JP 2017513472 A 20150724; KR 20177008072 A 20150724; US 201515509055 A 20150724